

What is claimed is:

1 1. A pipe assembly, comprising: first and second metal pipes having respective
2 first and second ends; a first plastic cuff molded along the periphery of the first
3 pipe end and a mating second plastic cuff molded along the periphery of the second
4 pipe end.

1 2. The pipe assembly of claim 1, wherein the first plastic cuff comprises a
2 tongue and the second plastic cuff comprises a groove, the cuffs forming a tongue
3 and groove joint.

1 3. A pipe assembly, comprising: first and second metal pipes having longitudinal
2 axes and respective first and second ends; a first plastic cuff formed along the
3 periphery of the first pipe end and a second plastic cuff formed along the periphery
4 of the second pipe end, the first and second cuffs having a tongue and a groove,
5 respectively, with the first, tongue cuff inserted into the second, groove cuff; first
6 and second wire hoops mounted over the first and second pipe ends; and a plurality
7 of bolt fasteners for tightening the first and second hoops and the first and second
8 pipe ends axially, to seat the first and second pipe ends against the first and second
9 cuffs, seat the first and second cuffs against one another, and seal the pipe ends
10 against the cuffs.

1 4. A pipe assembly, comprising:
2 first and second metal pipes having respective first and second ends;
3 first and second plastic cuffs formed over the first and second pipe ends,
4 respectively, each cuff forming a shoulder;

5 first and second wire hoops mounted around the first and second pipe ends,
6 respectively; and
7 a plurality of fasteners extending between the hoops and clamping the hoops
8 against the shoulders and the first and second pipe ends against the first and
9 second cuffs.

1 5. Components for a composite metal and plastic pipe assembly, comprising:
2 first and second metal pipes having longitudinal axes and respective first and
3 second ends;
4 a first plastic cuff formed around the periphery of the first pipe end and a
5 second plastic cuff formed around the periphery of the second pipe end, the first
6 and second cuffs having a tongue and a groove, respectively, adapted for mating
7 when the first cuff is inserted into the second cuff;
8 first and second wire hoops of size and configuration adapted for mounting
9 over and engaging the first and second pipe ends, respectively; and
10 a plurality of fasteners adapted for clamping the first and second hoops and
11 the first and second pipe ends axially.

1 6. A method for fastening and sealing first and second pipes at respective first
2 and second ends thereof, the method comprising: molding first and second mating,
3 plastic cuffs around the periphery of the respective first and second pipe ends, each
4 cuff having a shoulder; assembling a first hoop and a second hoop around the first
5 pipe end and the second pipe end adjacent the shoulders thereof; and clamping the
6 first and second hoops together generally axially along the first and second pipes,
7 thereby clamping the hoops against the shoulders and the first and second pipe
ends against the first and second cuffs.